

ABSTRACT OF THE DISCLOSURE

A luminance characteristic of inputted video data is determined by input video image characteristic detection sections, and polygonal line point master data and polygonal line point correction data are calculated based on the luminance characteristic so as to provide satisfactory display state by a microcomputer and outputted to polygonal line generation sections, polygonal line point data determining the output gradation characteristic is calculated in polygonal point generation sections and outputted to inter-point gradation operation sections, and operation processing is conducted by using the polygonal point data and the inputted video data in the inter-point operation sections to determine the inter-point gradation and outputted to a display panel.